## ATTACHMENT - CLAIMS LISTING

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1. (currently amended) A mould for preparing of a wind turbine blade, a shell for a wind turbine blade or a large member intended to form part of a wind turbine blade, comprising:
- a support structure,
- an air-drainage system,
- an active mould surface, and
- an air-permeable surface member, through which air-permeable surface member, air may be transported between the active mould surface and the air-drainage system, wherein the air-permeable surface member forms substantially the entire active mould surface, and
- a support structure arranged to support the air-drainage system and the air-permeable surface member, wherein the support structure provides for a major part of the load-bearing ability of the mould and said support structure forming an entire surface, which is substantially airtight and/or said air-drainage system being substantially airtight except towards said air-permeable surface member and one or more openings to a pressure control system.
- 2. (previously presented) A mould according to claim 1, wherein the air-drainage system comprises a network for transport of air, preferably the network follows the active mould surface.
- 3. (previously presented) A mould according to claim 1, wherein the air-drainage system comprises islands of solid material, the space between which is comprised by the network for transport of air, preferably the space between the islands forms the two-dimensional network for transport of air.

- 4. (previously presented) A mould according to claim 2, wherein at least one of the islands has a cross section substantially resembling a geometrical shape, such as a circle, a triangle, a quadrangle or another polygon, preferably most or all of the islands have a cross section substantially resembling a geometrical shape, such as a circle, a triangle, a quadrangle or another polygon.
- 5. (previously presented) A mould according to claim 3, wherein at least two of the islands are connected by a connector and the height of said connector is smaller than the height of the islands.
- 6. (previously presented) A mould according to claim 2, wherein the air-drainage system comprises channels for transport of air.
- 7. (previously presented) A mould according to claim 6, wherein the cross section of most of the channels for transport of air is greater than 1 mm2, preferably greater than 4 mm2, more preferably greater than 9 mm2.
- 8. (previously presented) A mould according to claim 6, wherein the distance between at least some of the parallel neighbouring channels for transport of air is between 0.4 cm to 20 cm, preferably between 0.5 cm to 5 cm, such as about 1 to 2 cm.
- 9. (previously presented) A mould according to claim 1, wherein the distance between at least some of the crossings of channels for transport of air is between 0.5 cm to 20 cm, preferably between 0.7 cm to 5 cm, such as about 1 to 2 cm.
- 10. (previously presented) A mould according to claim 1, wherein the air-drainage system is at least partially integrated in the support structure, preferably the air-drainage system is fully integrated in the support structure.

- 11. (previously presented) A mould according to claim 1, wherein the air-drainage system is at least partially integrated in the air-permeable surface member, preferably the air-drainage system is fully integrated in the air-permeable surface member.
- 12. (previously presented) A mould according to claim 1, wherein the air-drainage system is positioned between the support structure and the air-permeable surface member, preferably as an independent member.
- 13. (previously presented) A mould according to claim 1, wherein the air-drainage system is intended to be airtight except towards the air-permeable surface member and at least one opening to a pressure control system.
- 14. (previously presented) A mould according to claim 1, wherein passage structures provide air-permeability through the air-permeable surface member, and the passage structures have openings towards the active mould surface, at least 90% of said openings covering an area corresponding to a circle with a diameter of less than 0,5 mm, preferably between about 10  $\mu$ m to 250  $\mu$ m, more preferably between 25  $\mu$ m to 150  $\mu$ m, such as between 50  $\mu$ m to 125  $\mu$ m.
- 15. (previously-presented) A mould according to claim 14, wherein the density of passage structure openings towards the active mould surface is 1 to 1000 pr. cm2, preferably the density is 2 to 200 pr. cm2, more preferably the density is 5 to 100 pr. cm2.
- 16. (previously presented) A mould according to claim 13, wherein at least 90% the passage structures have an average cross-sectional area through the air-permeable surface member corresponding to a diameter of less than 1 mm, preferably less than 0.5 mm, more preferably less than 0.25 mm, such as between 25  $\mu$ m to 150  $\mu$ m.

- 17. (previously presented) A mould according to claim 13, wherein the air-permeable surface member has an open volume comprising the passage structures of less than 20 vol-%, more preferably an open volume of between 0.01 to 10 vol-% and most preferably 1 to 4 vol-%, such as about 2 vol-%.
- 18. (previously presented) A mould according to claim 13, wherein at least 90% of the passage structures allow for straight transportation routes of air between the active mould surface and the air-drainage system, such as via drilled holes or bores.
- 19. (previously presented) A mould according to claim 13, wherein at least 90% of the passage structures allow for tortuous transportation routes of air between the active mould surface and the air-drainage system, such as via pores in a sintered or cured material or a foamed material.
- 20. (previously presented) A mould according to claim 13, wherein the air-transportation distance through the air-permeable layer between the active mould surface and the air-drainage system is less than 5 mm, preferably less than 3 mm, more preferably between 0.5 to 2.5 mm, such as between 0.75 to 2 mm.
- 21. (previously presented) A mould according to claim 1, wherein the air-permeable surface member is sufficiently rigid to prevent substantial deformation of the air-permeable surface member into the air-drainage system, preferably the deformation of the air-permeable surface member orthogonal to the active mould surface 12 is less than 2 mm, more preferably less than 1 mm and most preferably less than 0.5 mm.
- 22. (previously presented) A mould according to claim 1, wherein at least a part of the air-permeable surface member is heat resistant, preferably said part of the air-permeable surface member is mechanically and chemically stable at the curing temperature of the item to be prepared in the mould, preferably at temperatures up to at

least 80°C, more preferably at temperatures up to at least 120°C and most preferably at temperatures up to at least 180°C.

- 23. (previously presented) A mould according to claim 1, wherein the air-permeable surface member comprises a sheet of air-permeable material, preferably the air-permeable surface member consists of said sheet, which is connected to the air-drainage system.
- 24. (previously presented) A mould according to claim 1, wherein the air-permeable surface member comprises metal and/or plastic;

the metal is selected from the group consisting of steel, aluminium and alloys comprising one or more of these;

the plastic is a selected from the group consisting of thermosetting plastic, thermoresistant plastic, fibre-reinforced plastic, such as resin-deficient fibre-reinforced plastic, preferably comprising carbon fibres and/or glass fibres; the resin systems preferably comprising one or more systems based on epoxy, polyurethane, polyester and/or vinylester, such as epoxy novolac.

- 25. (previously presented) A mould according to claim 24, wherein the air-permeable surface member comprises a foamed material, such as a foamed thermosetting plastic or metal, or a cured, resin-deficient fibre-reinforced thermosetting plastic
- 26. (previously presented) A mould according to claim 13, wherein passage structures of the air-permeable surface member were achieved by mechanical drilling, laser drilling, water drilling and/or electron beam perforation of a substantially dense material.
- 27. (previously presented) A mould according to claim 1, wherein the air-permeable surface member is impregnated or coated with a mould-release agent, preferably all the active mould surface is impregnated or coated with the mould-release agent.

- 28. (previously presented) A mould according to claim 1, wherein the support structure itself is a mould.
- 29. (previously presented) A mould according to claim 1, wherein the air-permeable surface member and/or the air-drainage system is secured releasably to the air-drainage system and the support structure, respectively.
- 30. (previously presented) A subassembly for a mould according to claim 1, said subassembly comprising:
- an air-drainage system and
- an air-permeable surface member connected to said air-drainage system, through which air-permeable surface member air may be transported between a surface of the air-permeable surface member away from the air-drainage system and the air-drainage system when installed in a mould,
- and the air-drainage system is adapted to be connected to a support structure.
- 31. (previously presented) A subassembly according to claim 30, wherein the subassembly is capable of being plastically deformed to conform to a surface of a support, such as a support structure, preferably the subassembly comprises a curable material.
- 32. (previously presented) A method of manufacturing a mould according to claim 1, wherein the preparation of the air-drainage system comprises the steps of:
- introducing recesses, such as grooves, in the support structure, and/or
- introducing recesses, such as grooves, in the air-permeable surface member, and/or the combination of the following steps
- positioning a network for transport of air on a support, such as a support structure,
- casting a curable tooling paste over the mesh

- curing the tooling paste
- removing the mesh.
- 33. (previously presented) A method of manufacturing a mould according to claim 1, wherein the preparation of the air-permeable surface member comprises the steps of:
- sintering a powder, such as a metal powder, under conditions which provide a nondense sintered material,

and/or

 at least partially curing a thermosetting resin with fibres, such as carbon fibres and/or glass fibres, under conditions where an inferior volume of thermosetting resin relative to fibres is used, hence forming a non-dense member,

and/or

curing or sintering a foamed material, such as a thermoplastic and/or the combination of the following steps:

- providing a substantially dense, solid material, such as a sheet of metal or thermosetting plastic, optionally reinforced by fibres,
- perforating the material by drilling, such as mechanical drilling, water drilling, laser drilling, or by electron beam perforation.
- 34. (Currently Amended) A method of manufacturing a mould for preparing of a wind turbine blade or a shell for wind turbine blade, the method comprising the steps of:
  - providing a support structure,
  - providing an air-permeable surface member,
- providing an air-drainage system, said air-drainage system optionally being at least partially integrated in the support structure and/or the air-permeable surface member,
- wherein said support structure forms an entire surface, which is substantially airtight, and/or said air-drainage system is substantially airtight except towards said air-permeable surface member and one or more openings to a pressure control system,
- optionally plastically deforming the air-permeable surface member to conform to a surface of the support structure, and

- securing the air-permeable surface member to the support structure, optionally via the air-drainage system, said securing preferably involves fasteners, adhesive and/or curing or co-curing one or more of the support structure, air-drainage system and airpermeable surface member, more preferably, said securing involves adhesive.
- 35. (previously presented) A method of manufacturing a mould according to claim 1, comprising the steps of:
- providing a support structure,
- providing a subassembly,
- optionally plastically deforming the subassembly to conform to a surface of the support structure,
- securing the subassembly to the support structure, preferably with fasteners, adhesive and/or by curing or co-curing the subassembly, more preferably with adhesive.
- 36. (previously presented) Use of a mould according to claim 1 for preparing a wind turbine blade.
- 37. (previously presented) A method of manufacturing a wind turbine blade comprising the steps of:
- providing a mould according to claim 1,
- optionally positioning and/or shaping a material to form a coating on the wind turbine blade in the mould,
- applying vacuum to the air-drainage system,
- placing fibres and/or resin in the mould to form the wind turbine blade,
- optionally providing a vacuum enclosure between the mould or the material to form the coating and the side of the wind turbine blade away from the mould,
- applying pressure and/or vacuum to the wind turbine blade,
- optionally introducing further resin into the blade,
- curing the wind turbine blade, and

- releasing the wind turbine blade from the mould, optionally facilitated by applying pressure via the air-drainage system.
- 38. (previously presented) A method according to claim 37, wherein a differential vacuum is created during at least a part of the processing, preferably the vacuum provided in the vacuum enclosure is at a higher absolute pressure than the vacuum provided on the surface on the item to be moulded via the air-drainage system, hence the vacuum force between the surface of the item to be moulded and the active mould surface is higher at any position than the corresponding vacuum force between the vacuum enclosure and the item to be moulded.
- 39. (previously presented) A method according to claim 37, wherein the material to form the coating is a thermoplastic film suitable for a wind turbine blade surface with regard to weathering stability, preferably the material to form the coating comprises an acrylic-based material, polycarbonate, PCDF, polyurethane or a blend comprising one or more of these, more preferably the material is an acrylic material.
- 40. (previously presented) Use of a mould comprising a support structure, an air-drainage system, an active mould surface and an air-permeable surface member, through which air-permeable surface member air may be transported between the active mould surface and the air-drainage system, wherein the air-permeable surface member forms substantially the entire active mould surface, for preparing in-mould coated members.